

Claims

1. A spermatogenesis protein, comprising the amino acid sequence of fig. 1 or an amino acid sequence differing therefrom by one or more amino acids, wherein a homology of at least 80 % exists between the latter amino acid sequence and that of fig. 1.

2. The spermatogenesis protein according to claim 1, comprising the amino acid sequence of fig. 3.

3. A DNA coding for the spermatogenesis protein according to claim 1, comprising:

(a) the DNA of fig. 1 or a DNA differing therefrom by one or more base pairs, the latter DNA hybridizing with the DNA of fig. 1 and coding for a spermatogenesis protein whose amino acid sequence has a homology of at least 80 % to that of fig. 1, or

(b) a DNA related to the DNA from (a) via the degenerated genetic code.

4. The DNA according to claim 3, wherein the DNA is that of fig. 2, fig. 3 or fig. 4.

5. An expression plasmid, comprising the DNA according to claim 3 or 4.

6. A transformant, containing the expression plasmid according to claim 5.

7. A method of producing a spermatogenesis protein, comprising the culturing of the transformant according to claim 6 under suitable conditions.

8. Antibodies directed against the spermatogenesis protein according to claim 1 or 2.

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9. Use of the spermatogenesis protein according to claim 1 or 2 or a DNA according to claim 3 or 4 for studying or influencing spermatogenesis.

10. Use according to claim 9, wherein the influence of spermatogenesis comprises its activation or inhibition.

11. Use according to claim 9, wherein studying or influencing spermatogenesis comprises a diagnosis and/or treatment of disorders of spermatogenesis.

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